Journal of Computational and Applied Mathematics 31 (1990) 397–398
North-Holland

Author Index to Volume 31 (1990)

(The issue number is given in front of the page numbers.)

Abouir, J. and **A. Cuyt,** Error formulas for multivariate rational interpolation and Padé approximation (2) 233–241
Afflerbach, L., Criteria for the assessment of random number generators (1) 3– 10
Atkinson, A.C., A simulation experiment for comparing tests of regression transformation (1) 11– 14

Babovsky, H., F. Gropengießer, H. Neunzert, J. Struckmeier and **B. Wiesen,** Application of well-distributed sequences to the numerical simulation of the Boltzmann equation (1) 15– 22
Baker Jr, G.A. and **P.R. Graves-Morris,** Definition and uniqueness of integral approximants (3) 357–372
Banik, N.C., see **Gupta, R.S.** (3) 351–356
Barrlund, A. and **B. Kågström,** Analytical and numerical solutions to higher index linear variable coefficient DAE systems (3) 305–330
Bellen, A., R. Vermiglio and **M. Zennaro,** Parallel ODE-solvers with stepsize control (2) 277–293
Bouleau, N., On effective computation of expectations in large or infinite dimension (1) 23– 34
Brenier, Y., Une méthode particulaire pour les équations non linéaires de diffusion convection en dimension un (1) 35– 56

Cuyt, A., see **Abouir, J.** (2) 233–241

De Bruin, M.G., Polynomials orthogonal on a circular arc (2) 253–266
De Meyer, H., see **Vanden Berghe, G.** (3) 331–349
Drmota, M., Applications of uniformly distributed functions and sequences in statistic ergodic measuring techniques (1) 57– 62

Eddy, W.F., Random number generators for parallel processors (1) 63– 71
Eichenauer-Herrmann, J. and **H. Grothe,** Upper bounds for the Beyer ratios of linear congruential generators (1) 73– 80
Eichenauer-Herrmann, J., H. Grothe, H. Niederreiter and **A. Topuzoğlu,** On the lattice structure of a nonlinear generator with modulus 2^{α} (1) 81– 85
Eichenauer-Herrmann, J. and **A. Topuzoğlu,** On the period length of congruential pseudorandom number sequences generated by inversions (1) 87– 96

Faure, H., Using permutations to reduce discrepancy (1) 97–103
Fushimi, M., Random number generation with the recursion $X_t = X_{t-3p} \oplus X_{t-3q}$ (1) 105–118

Gentle, J.E., Computer implementation of random number generators (1) 119–125
Graves-Morris, P.R., see **Baker Jr, G.A.** (3) 357–372
Gropengießer, F., see **Babovsky, H.** (1) 15– 22
Grothe, H., see **Eichenauer-Herrmann, J.** (1) 73– 80
Grothe, H., see **Eichenauer-Herrmann, J.** (1) 81– 85
Gupta, R.S. and **N.C. Banik,** Solution of a weakly two-dimensional melting problem by an approximate method (3) 351–356

Jódar, L., A separation of the variables method for solving coupled systems of second-order partial differential equations: exact, approximate solutions and error bounds (2) 243–251
Joe, S., Randomization of lattice rules for numerical multiple integration (*Letter*) (2) 299–304

Kachitvichyanukul, V., see **Schmeiser, B.** (1) 173–180
Kågström, B., see **Barrlund, A.** (3) 305–330
Kemp, A.W., Patchwork rejection algorithms (1) 127–131
Kemp, C.D., New algorithms for generating Poisson variates (1) 133–137
Kirkland, M.D., see **Ripley, B.D.** (1) 165–172
Kuang, J. and **L. Lu,** Two classes of finite-difference methods for generalized sine-Gordon equations (3) 389–396

Ladopoulos, E.G., see **Zisis, V.A.** (2) 227–232
Lehn, J. and **H. Neunzert,** Preface to the Special Issue on Random Numbers and Simulation (1) 1
Lu, L., see **Kuang, J.** (3) 389–396

Maleknejad, K., Numerical experimentation with time-series methods for convolution integral equation (2) 211–225
Mohd, I.B., An interval global optimization algorithm for a class of functions with several variables (3) 373–382

Elsevier Science Publishers B.V. (North-Holland)

Neunzert, H., see **Babovsky, H.** (1) 15–22
Neunzert, H., see **Lehn, J.** (1) 1
Niederreiter, H., Statistical independence properties of pseudorandom vectors produced by matrix generators (1) 139–151
Niederreiter, H., see **Eichenauer–Herrmann, J.** (1) 81–85

Olde Daalhuis, A.B., see **Temme, N.M.** (3) 383–387

Ripley, B.D., Thoughts on pseudorandom number generators (1) 153–163
Ripley, B.D. and **M.D. Kirkland**, Iterative simulation methods (1) 165–172

Schmeiser, B. and **V. Kachitvichyanukul**, Noninverse correlation induction: guidelines for algorithm development (1) 173–180
Stadlober, E., The ratio of uniforms approach for generating discrete random variates (1) 181–189
Struckmeier, J., see **Babovsky, H.** (1) 15–22

Temme, N.M. and **A.B. Olde Daalhuis**, Uniform asymptotic approximation of Fermi–Dirac integrals (3) 383–387
Thompson, S., Stepsize control for delay differential equations using continuously imbedded Runge–Kutta methods of Sarafyan (2) 267–275
Tichy, R.F., Random points in the cube and on the sphere with applications to numerical analysis (1) 191–197
Topuzoğlu, A., see **Eichenauer–Herrmann, J.** (1) 81–85
Topuzoğlu, A., see **Eichenauer-Herrmann, J.** (1) 87–96

Vanden Berghe, G., H. De Meyer and **J. Vanthournout**, On a class of modified Newton–Cotes quadrature formulae based upon mixed-type interpolation (3) 331–349
Vanthournout, J., see **Vanden Berghe, G.** (3) 331–349
Vermiglio, R., see **Bellen, A.** (2) 277–293

Wick, J., A point method for a semi-conductor equation (1) 199–203
Wiesen, B., see **Babovsky, H.** (1) 15–22

Zennaro, M., see **Bellen, A.** (2) 277–293
Zhu Haiyan, A note about power-boundedness of interval matrices (*Letter*) (2) 295–298
Zieliński, R., An aperiodic pseudorandom number generator (2) 205–210
Zisis, V.A. and **E.G. Ladopoulos**, Two-dimensional singular integral equations exact solutions (2) 227–232